Please type a plus sign (+) inside this box -	→	+	l

PTO/SB/088 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Subatite	ite for form 1449B	MPTO.			Co	emplete if Known
					Application Number	09/706.012
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Filing Date	November 3, 2000
					First Named Inventor	Marina Goodman et
0.7					Group Art Unit	Unknown
	(use as ma	ny she	ets as r	necessary)	Examiner Name	Unknown
Sheet	1	G	of	1	Attorney Docket Number	10022/089

ſ		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
4		RYAN, H.W., SARGENT, S.R., BOUDREAU, T.M., ARVANITIS, Y.S., TAYLOR, S.J., MINDRUM, C.; "Practical Guide to Client/Server Computing," Second Edition, pp. 1-774; Copyright 1998, CRC Press LLC, Boca Raton, FL, United States.	
4		RYAN, H.W.; ALBER, M.W.; TAYLOR, S.J.; CHANG, R.A.; ARVANITIS, Y.S.; DAVIS, M.C.; MULLEN, N.K.; DOVE, S.L.; MEHRA, P.N.; MINDRUM, C.; "Netcentric Computing, Computing, Communications and Knowledge," pp. 1-413; Copyright 1998, CRC Press	
		LLC, Boca Raton, FL, United States.	
			
	<u> </u>		_

Date Examiner 64 Considered Signature

^{*}EXAMINER: Initiat reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

Please type folius sign (+) inside this box -> +

7RADEMP Please type folius sign (+) inside this box -> +

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitu	te for form 1449A/PT()		Complete if Known			
			201 001125	Application Number	09/706,012		
			SCLOSURE	Filing Date	November 3, 2000		
STA	TEMENT B	Y	APPLICANT	First Named Inventor	Marina Goodman et al.		
				Group Art Unit	2161		
(use as many sheets as necessary)				Examiner Name	Unknown		
Sheet	1	of	1	Attorney Docket Number	10022/089		

<u> </u>				U.S. PATENT DOCL	JMENTS	
Examiner Initials	Cite No.1	U.S. Patent Document Number Kind Code² (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Peges, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
9		6,112,304		Clawson	08/29/2000	-
QC		5.859.969		Oki et al.	01/12/1999	
α_		5.495.610		Shing et al.	02/27/1996	
	-					
					-	
		<u> </u>	_		·	
		l .			l	

Cite				FOREIGN PATENT DOCUMENTS												
Title 1	· · · · · · · · · · · · · · ·	oreign Patent Do	cument	Name of Patentee or	Date of Publication of	Pages, Columns, Lines,	Т									
	Office ³	Number ⁴	Kind Code ^s (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or RelevantFigures Appear	70									
							\perp									
							丄									
							↓_									
							Щ									
		Onios -	V. Chica- National	OTHOR	OTICE NUMBER (d Anown)	Office (a known) MM-DD-YYYY	MM-DD-YYYY Figures Appear									

	 		 			 _	
Examiner Signature	thes)		 Date Considered	3/3	Y	
				 		 7	

^{*}EXAMINER: tnitial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English tanguage Translation is attached.

JUL 0 5 2001 LUS

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
On a collection of information unless it contains a valid OMB control number.

Und	ler the Paperw	ork Reduction Ac	of 1995, n	o persons are required to re-	spond to a collection of informatic	on unless it contains a valid OMB control nu	mber.	
	Substitu	ite for form 1449A	/PTO		Complete if Known			
					Application Number	09/706,012		
		ORMATIC	ON DIS	SCLOSURE	Filing Date	November 3, 2000		
	STA	TEMENT	BYA	PPLICANT	First Named Inventor	Marina Goodman et al.		
				_	Group Art Unit	2161		
		(use as many	sheets as	necessary)	Examiner Name	Unknown		
	Sheet	1	of	2	Attorney Docket Number	10022/089		

	U.S. PATENT DOCUMENTS										
Examiner Initials*	Cite No.1	U.S. Pater Number	Kind Code ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear					
											
						*					
						RECEIVED					
						111 1 0 2001					
					Te	chnology Center 2100					
			 -								
. —											
	-										

				FOR	EIGN PATENT DOCUMEN	TS		
Examiner Initials*	Cite No.1	Kin		Fice ³ Number ⁴ Kind Code ⁵ Applicant of Cited Document		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T _e
Qe	J	ſGВ	2 315 891	Α_	International Business	02/11/1998		
					Machines Corp.			╁
								\Box
								\vdash
								\Box
		\vdash						\vdash
		П						

Examiner Date Consider			
Signature Consider	red 3	131	104

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



Please type a plus sign (+) inside this box

+ PADEMARY

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Subetitur	te for form 1449B/	PTO		Complete if Known			
				Application Number	09/706,012		
INFO	ORMATIC	ם אכ	ISCLOSURE	Filing Date	November 3, 2000		
STA	TEMENT	RY	APPLICANT	First Named Inventor	Marina Goodman et al.		
017		.	All Elozati	Group Art Unit	2161		
	(use as mar	y sheet	s as necessary)	Examiner Name	Unknown		
Sheet	2	of	2	Attorney Docket Number	10022/089		

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
9¢	,	Orfali, R., Harkey, D., "Client/Server Programming with OS/2 2.0 (2nd Ed.)" 1992, Van Nostrand Reinhold New York, U.S., pp. 10-24, 111-137, 149-160, 588-594, XP002164217, ISBN 0-442-01219-5	
QC.		Orfali, R., Harkey, D., "Client/Server With Distributed Objects," Byte, McGraw-Hill, Inc., St. Peterborough, U.S., Vol. 20, No. 4, 1 April 1995, pp 151-152, 154, 156, XP000501827, ISSN 3360-5280	
ge_	ì	Ørfali, R., Harkey, D., Edwards, J., "Intergalactic Client/Server Computing, " Byte, McGraw-Hill, Inc., St. Peterborough, U.S., Vol. 20, No. 4, 1 April 1995, pp. 108-110, 114, 11, XP000501823, ISSN: 0360-5280;	
K	,	Lee, J., "Internet and Client Server Patent Information Systems: New Services from Derwent," World Patent Information, GB, Elsevier Sciences Publishing, Barking, Vol. 20, No. 2, June 1998, pp. 136-139, XP004165804, ISSN 0172-2190	
K	,	Borsook, P., "Seeking Security. Mainframe Techniques Define System Security. Soon, they'll be Adapted To Distributed Client/Server Systems." Byte, McGraw-Hill, Inc., St. Peterborough, Vol. 18, No. 6, 1 May 1993, pp. 119-122, 124, 12, XP000359327, ISSN 0360-5280.	
		RECEIVED	
	i	111 1 0 2001	
		Technology Center 2100	
		,	

Date Examiner 'd" Considered Signature

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.



Please type a plus sign (+) inside this box

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. ĎEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO **Application Number** 09/706,012 **INFORMATION DISCLOSURE** Filing Date November 3, 2000 STATEMENT BY APPLICANT First Named Inventor Marina Goodman et al. **Group Art Unit** 2161 (use as many sheets as necessary) Examiner Name Unknown of **Attorney Docket Number** Sheet 10022/089

				U.S. PATENT DOC	JMENTS	1
Examiner Initials*	No.1	U.S. Patent Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appage
	gc	5,956,479		McInerny et al.	09/21/1999	75-
	96	4,809,170		Leblang et al.	02/28/1989	O CS
	1	5,905,868		Baghai et al.	05/18/1999	Or VA
						G1040 2001
						100 COV
						.00/
			<u> </u>			
					·	
			<u> </u>			

				FOR	EIGN PATENT DOCUMEN	TS		
Examiner Initials	Cite No.1	Office	Foreign Patent Do Number ⁴	cument Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
0		ŴΟ	98/57260	A1	True Software, Inc.	12/17/1998		
ac		wo	99/38079	A1	Appointnet, Inc.	07/29/1999		T
00		Wo	97/12311	A2	Cable & Wireless, Inc.	04/03/1997		1
9	A	WO	98/52121	A2	Electronic Data	11/19/1998		
					Systems, Inc.			
γ.		Wο	98/53396	A1	Electronic Data	11/26/1998		
' "					Systems, Inc.			
							. <u>.</u>	$oldsymbol{ol}}}}}}}}}}}}}}}}}$
		l		ĺ		1		

	1				
Examiner Signature	\sim	Date Considered	/ر	31/	M

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of

Complete If Known							
Application Number	09/706,012						
Filing Date	November 3, 2000						
First Named Inventor	Marina Goodman et al.						
Group Art Unit	2161						
Examiner Name	Unknown						
Attorney Docket Number	10022/089						

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	$\overline{}$
Examiner nitials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
4		Aoyama, M., Hanai, Y., Suzuki, M., "An Integrated Software Maintenance Environment: Bridging Configuration Management and Quality Management," Proceedings of the Conference on Software Maintenance. From 1994 International Conference on Software Maintenance US, Washington, IEEE Computer Society Press, 24 October 1988 pp. 40-44	- X
		TOUD	σ
			100
			1
-			
	L		┸

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Considered

Signature

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.





RECEIVED

JAN 0 4 2002

Please type a plus sign (+) inside this box

+

Approved for use through 10/31/2002 OWNERCE

U. S. Patent and Trademark Office: U.S. DECARCUARY OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substit	ute for form 1449B/PT	го		Complete if Known				
		_		Application Number	09/706,012			
INF	ORMATIO	NE	DISCLOSURE	Filing Date	November 3, 2000			
STA	TEMENT	BY	APPLICANT	First Named Inventor	Marina Goodman et al.			
				Group Art Unit	2161			
	(use as many	sheet	ts as necessary)	Examiner Name	Unknown			
Sheet 1 of 1				Attorney Docket Number	10022/089			

	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS								
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	12						
Of	ν	Voth, G.R., Kindel, C., Fujioka, J., "Distributed Application Development For Three-Tier Architectures: MicroSoft on Windows DNA," IEEE Internet Computing, Vol. 2, No. 2, March/April 1998, IEEE, U.S., pp. 41-45.							
		·							
			<u> </u>						

						_	_	
Examiner Signature	94	rusia	_	Date Considered	3	31/	30	f

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.